

# ***Pinus sylvestris***

## **Habitus and growth type**

Plant height [m]: **28.15**

Life span: **Perennial**

Life form: **Phanerophyte, Tree**

Spinescence: **spinescent**

## **Leaf**

Leaf type (woody plants only): **Needle-like**

Leaf phenology (woody plants only): **Evergreen**

Specific leaf area [mm<sup>2</sup>/mg]: **5.89**

## **Flower**

Flowering period: **April-July**

## **Fruit, seed and dispersal**

Seed mass [mg]: **6.58**

Dispersal mode: **Anemochory, Anthropochory**

Dispersal distance class: **4, 7**

## **Trophic mode**

Parasitism and mycoheterotrophy: **autotroph**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

## **Taxon origin**

Origin in Europe: **native**

## **Ecology**

### **Environmental relationships**

Substrate humidity relationship: **Mesic**

Substrate reaction relationship: **Slightly acidic to near-neutral**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

### **Ellenberg-type indicator values**

Light indicator value: **7.2**

Moisture indicator value: **5.2**

Reaction indicator value: **3.8**

Nutrient indicator value: **2**

Salinity indicator value: **0**

## Disturbance indicator values

Disturbance frequency: **0.15**

Disturbance frequency (herb layer): **1.37**

Disturbance severity: **0.67**

Disturbance severity (herb layer): **0.16**

Mowing frequency: **0.04**

Grazing pressure: **0.21**

Soil disturbance: **0.18**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: **BA (PIC) *Vaccinio-Piceetea***, **BC (BRA) *Brachypodio pinnati-Betuletea pendulae***, **BD (PYR) *Pyrolo-Pinetea sylvestris***, **CN (SAB) *Junipero-Pinetea sylvestris***, **CO (ERI) *Erico-Pinetea***

### EUNIS habitat

Diagnostic species of EUNIS habitats: ***N1F* Baltic coniferous coastal dune forest**, ***T35* Temperate continental *Pinus sylvestris* forest**, ***T36* Temperate and submediterranean montane *Pinus sylvestris*-*Pinus nigra* forest**, ***T3G* *Pinus sylvestris* light taiga**, ***T3J* *Pinus* and *Larix* mire forest**

Constant species of EUNIS habitats: ***N1D* Atlantic and Baltic broad-leaved coastal dune forest**, ***N1F* Baltic coniferous coastal dune forest**, ***Q11* Raised bog**, ***Q42* Extremely rich moss-sedge fen**, ***R1Q* Inland sanddrift and dune with siliceous grassland**, ***S38* Temperate forest clearing scrub**, ***S41* Wet heath**, ***S42* Dry heath**, ***S52* Submediterranean pseudomaquis**, ***S73* Western Mediterranean mountain hedgehog-heath**, ***T16* Broadleaved mire forest on acid peat**, ***T18* *Fagus* forest on acid soils**, ***T1B* Acidophilous *Quercus* forest**, ***T1D* Southern European mountain *Betula* and *Populus tremula* forest on mineral soils**, ***T32* Temperate mountain *Abies* forest**, ***T35* Temperate continental *Pinus sylvestris* forest**, ***T36* Temperate and submediterranean montane *Pinus sylvestris*-*Pinus nigra* forest**, ***T37* Mediterranean montane *Pinus sylvestris*-*Pinus nigra* forest**, ***T39* Mediterranean and Balkan subalpine *Pinus heldreichii*-*Pinus peuce* forest**, ***T3F* Dark taiga**, ***T3G* *Pinus sylvestris* light taiga**, ***T3H* *Larix* light taiga**, ***T3J* *Pinus* and *Larix* mire forest**, ***T3K* *Picea* mire forest**, ***T3M* Coniferous plantation of non site-native trees**

Dominant species of EUNIS habitats: ***N1F* Baltic coniferous coastal dune forest**, ***T35* Temperate continental *Pinus sylvestris* forest**, ***T36* Temperate and submediterranean montane *Pinus sylvestris*-*Pinus nigra* forest**, ***T37* Mediterranean montane *Pinus sylvestris*-*Pinus nigra* forest**, ***T3G* *Pinus sylvestris* light taiga**, ***T3J* *Pinus* and *Larix* mire forest**, ***T3M* Coniferous plantation of non site-native trees**

### Broad habitat

Occurrence in broad habitats: **Mire**, **Grassland (non-alpine, non-saline)**, **Heathland**, **Oromediterranean scrub**, **Scrub**, **Forest**, **Sparsely vegetated (incl. rock and scree)**

## Distribution

Continentality: **6**

Continentality amplitude: **5**